



HOW TO... SELECT THE RIGHT CS OVERFLOW

If you need help selecting the right CPR CS Overflow for your fish tank, follow these easy steps:

If the tank is already set-up and you have not purchased your return pump:

- 1) Measure the distance available between the tank and the wall. (Refer to the chart below)
- 2) Determine the amount of flow you want to achieve through your sump and filter. (See below)
- 3) Choose a pump that will provide the desired amount of flow. Be sure to account for the resistance that the pump is working against head pressure. Use the head pressure loss chart provided on the pump packaging to estimate the resulting flow rate.

* Estimating head pressure: Head pressure is measured in feet, so for a rough estimate of head pressure, start by measuring the vertical height from your pump to the top rim of your aquarium (or to the place where the return outlet is located). Then, for each 90 degree turn, add 1-2 more feet to your total. Do not forget to count the turns required to get the water back into the tank. Any reduction in the return line will also add to the total head pressure. Ask your retailer for help suggesting the best pump for your system.

- 4) Once you have selected your pump, choose the corresponding CS Overflow unit that best matches the flow rate you have selected. Be sure not to choose a CS Overflow that has a flow rate that is less than the flow rate of your pump (once head pressure is accounted for).

If you have already purchased your return pump:

- 1) Determine the flow rate of the pump that you already have. Do not forget to account for head pressure (see above).
- 2) Choose the corresponding CS Overflow unit for the flow rate that you will be running. Be sure not to choose a CS Overflow that has a flow rate that is less than the flow rate of your pump (once head pressure is accounted for).

CS MODEL	FLOW RATE	RECOMMENDED TANK SIZE	DEPT H BEHIND TANK	WIDTH
CS50	300GPH	UP TO 60 GALLONS	3 7/8"	6"
CS90	600GPH	UP TO 125 GALLONS	4 3/8"	7 1/4"
CS100	800GPH	UP TO 175 GALLONS	4 1/2"	9 3/8"
CS102	1200GPH	UP TO 250 GALLONS	4 1/2"	9 3/8"
CS202	1500GPH	UP TO 300 GALLONS	6 1/8"	9 3/8"
CS150	1600GPH	UP TO 350 GALLONS	6 1/8"	9 3/8"
CS302	3000GPH	UP TO 500 GALLONS	6 3/8"	12 1/4"

**Check with your local fish store for return pump options*



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FIND THE PERFECT MATCH!



CS50



CS102



CS150

Return pump options for CS Overflows

Model	CS50	CS90	CS100	CS102	CS202	CS150
Max Flow Rate	300GPH	600GPH	800GPH	1200GPH	1500GPH	1600GPH
with 4 ft of head pressure*	HyperFlow 8	HyperFlow 12	HyperFlow 17**	Mag 12	HyperFlow 32	HyperFlow 32
	Mag 3	Mag 7	Mag 9.5	SL6550	Mag 18	Mag 18
	Rio 1700	Rio 2500	Rio 3100	PCX40		PCX100
		SL6530	PCX30			
with 6 ft of head pressure*	Rio 2500	HyperFlow 14	HyperFlow 20**	HyperFlow 26	HyperFlow 32	Mag 24**
	SL65440	Rio 3100	Mag 9.5	Mag 18	PCX100	
		Rio 3500	PCX30	PCX440		

*Based on manufacturer's specifications

**Will need to be slightly restricted with a ball or gate valve



Rio+
Submersible



HyperFlow
Submersible



Gen-X
External



Sea Line
External or Submersible